MEITRACK® SMS PROTOCOL

Copyright © 2010 Shenzhen Meiligao Electronics Co., Ltd. All rights reserved.

Contents

I. Command Format 3
1. SMS Format 3
2. Annex 1: Description of SMS Data 3
3. Annex 2: Description of Event Code and SMS Header 4
II. Command List 5
III. Command Details 6
1. Track on Demand – A00 6
2. Track on Demand – Google Map (SMS) – A01 7
3. Track by Time Interval (SMS) – A02 7
4. Track by Time Interval (GPRS) – A12 7
5. Track by Distance Interval – A14 8
6. Set GPRS – A21 8
7. Set DNS Server IP – A22 8
8. Set Secondary GPRS Server – A23 9
9. Get all Authorized Phone Numbers – A70 9
10. Authorize Multiple Functions Phone Number – A71 9
11. Set Listen-in (Voice Monitoring) – A72 10
12. Set Sleep Mode – A73 10
13. Get Authorized Phone Number and SMS Event Flag – B00 10
14. Authorize Phone Number and SMS Event Flag – B01 11
15. Add SMS Event Flag to Authorized Phone Number – B02 11
16. Delete SMS Event Flag from Authorized Phone Number – B03 11
17. Set Geo-fence Alarm – B05 11
18. Delete Geo-fence Waypoint – B06 12
19. Set Speeding Alarm – B07 12
20. Set Tow Alarm – B08 12
21. Set Tremble Sensitivity (MVT100/MVT340/MVT380/T1) – B09 13
22. Set Tremble Sensitivity (MVT600) – B20 13
23. Set Extended Functions – B31 13
24. Set GPS Sleep Mode – B32 13
25. Set Power Saving Mode – B33 14
26. Set Log Interval –e t B34 14
27. Time Zone Setting (for SMS Report) – B35 14
28. Time Zone Setting (for GPRS Report) – B36 15
29. Set SMS Header for Event – B91 15
30. Output Control – C01 15
31. Protocol Control – C03 16
32. SMS Message Display – C11 16
33. Get Firmware Version and SN – E91 16
34. Reboot GSM Module – F01 16
35. Reboot GPS Module – F02 16
36. Clear Journey and Running Time – F06 17
37. Delete SMS/GPRS Buffer – F09 17
38. Initialization– F11 17
39. Change Password – F20 17
40. Initialize Password – FAB 17

Copyright © 2010 Shenzhen Meiligao Electronics Co., Ltd. All rights reserved.

I. Command Format

1. SMS Format

From mobile phone (or SMS modem) to tracker:

Password,<command>,<data>

Note:

Password is 4 digits only and defaulted as 0000

Command is in HEX string. Please refer to the Command List and Command Details below.

From tracker to mobile phone (or SMS modem):

IMEI,SMS Header,<->yy.dddddd,<->xxx.dddddd,yymmddHHMMSS,Z,N,G,Speed,Heading,HDOP,Altitude, Journey,Runtime,reserved,State,reserved

2. Annex 1: Description of SMS Data

Parameter	Description	Example
IMEI	Tracker's IMEI is normally 15 digits	353358017784062
SMS Header	Refer to Annex 1 for more details	SOS
<->yy.dddddd	Latitude: in unit of degree. Decimal digit '-' is south, none is north yy = degrees; dddddd = decimal part of degree	22.756325 -23.256438
<->xxx.dddddd	Longitude: in unit of degree. Decimal digit '-'is west, none is east xxx = degrees; dddddd = decimal part of degree	114.752146 -114.821453
yymmddHHMMSS	yy = year mm = month dd = date HH = hour MM = minute SS = second Decimal digit	091221102631
Z	GPS status indicator: A = valid, V = invalid	A = Valid
N	Numbers of satellites available. Decimal digit	5
G	GSM signal. Decimal digit (0~31)	12
Speed	Km/h. Decimal string	58
Heading	Heading, in unit of degree. Decimal digit (0~359)	275

Copyright © 2010 Shenzhen Meiligao Electronics Co., Ltd. All rights reserved.

HDOP	Horizontal Dilution of Precision, 0.5-99.9. Decimal digit HDOP Values below 4 are great and above 8 are bad HDOP is blank when no GPS fix.	5
Altitude	MSL Altitude, in unit of meter. Decimal digit	118
Journey	In unit of meter. Decimal digit. The total accumulated journey and max 4294967295 meters.	564870
Runtime	In unit of second. Decimal digit The total accumulated runtime and max 4294967295 seconds.	2546321
Reserved	Reserved Noted: it is Base ID in GPRS packet	Empty
State	Status of 8 inputs and 8 outputs. HEX String Bit0…Bit7 is output state, Bit0 is Ouput1 state Bit8…Bit15 is input state, Bit8 is Input1 state	0421(HEX String) = 0000 0100 0010 0001
Reserved	Reserved Note: it is AD value in GPRS packet	Empty

3. Annex 2: Description of Event Code and SMS Header

Event Code	Event	Default SMS Header (max 16 bytes)	Default GPRS Flag	Default SMS Flag	Default Picture Flag
1	**Input 1 Active (SOS pressed)**	SOS	Y	Y (Only for the first authorized phone number)	Y
2	**Input 2 Active**	In2	Y	N	N
3	**Input 3 Active**	In3	Y	N	N
4	**Input 4 Active**	In4	Y	N	N
5	**Input 5 Active**	In5	Y	N	N
9	**Input 1 Inactive(SOS released)**		N	N	N
10	**Input 2 Inactive**		N	N	N
11	**Input 3 Inactive**		N	N	N
12	**Input 4 Inactive**		N	N	N
13	**Input 5 Inactive**		N	N	N
17	**Low Battery**	Low Battery	N	N	N/A
18	**Low External Power**	Low Power	N	N	N/A
19	**Speeding**	Speeding	Y	Y	N
20	**Enter Geo-fence**	Enter GEO	Y	Y	N
21	**Exit Geo-fence**	Exit GEO	Y	Y	N

Copyright © 2010 Shenzhen Meiligao Electronics Co., Ltd. All rights reserved.

22	**External Power On**	Power On	N	N	N
23	**External Power Off**	Power Off	N	N	N/A
24	**No GPS Signal**	No Fix	N	N	N/A
25	**Get GPS Signal**	Fix	N	N	N/A
26	**Enter Sleep**	Enter Sleep	N	N	N/A
27	**Exit Sleep**	Exit Sleep	N	N	N/A
28	**GPS Antenna Cut**	Antenna Cut	N	N	N
29	**Device Reboot**	Reboot	N	N	N/A
30	**Impact**	Impact	Y	N	N
33	**Distance Interval Report**	Distance	Y	N	N/A
34	**Current Location Report**	Now	A/A	A/A	N/A
35	**Time Interval Report**	Interval	A/A	A/A	N/A
36	**Tow Alarm**	Tow	Y	N	N
65	**Press Input 1 (SOS) to Call**	/	N/A	N	N/A
66	**Press Input 2 to Call**	/	N/A	N	N/A
67	**Press Input 3 to Call**	/	N/A	N	N/A
68	**Press Input 4 to Call**	/	N/A	N	N/A
69	**Press Input 5 to Call**	/	N/A	N	N/A
70	**Reject Incoming Call**	/	N/A	Y	N/A
71	**Report Location after receiving an incoming call**	/	N/A	Y	N/A
72	**Auto Answer Incoming Call**	/	N/A	N	N/A
73	**Listen-in (voice monitoring)**	/	N/A	N	N/A

Note:

1. Above figures are the factory default settings.
2. **Y** = yes; **N** = no; **N/A** = not applicable or not available; **A/A** = always stay available in all status and cannot be changed.
3. You can use commands to define SMS header, add or delete flag for each function.

II. Command List

Command	Definition	SMS/GPRS	Applicable Model
A00	Track on Demand	SMS	All
A01	Track on Demand - Google Map	SMS	All
A02	Track by Time Interval	SMS	All
A12	Track by Time Interval	GPRS	All
A14	Track by Distance Interval	SMS/GPRS	All
A21	Set GPRS	SMS/GPRS	All
A22	Set DNS Server IP	SMS/GPRS	All

Copyright © 2010 Shenzhen Meiligao Electronics Co., Ltd. All rights reserved.

A23	Set Secondary GPRS Server	SMS/GPRS	All
A70	Get all Authorized Phone number	SMS/GPRS	All
A71	Set Multiple Functions Phone Number	SMS/GPRS	All
A72	Set Listen-in Phone Number	Call	All
A73	Set Sleep Mode	SMS/GPRS	All
B00	Get Authorized Phone Number and SMS Event Flag	SMS/GPRS	All
B01	Authorize Phone Number and SMS Event Flag	SMS/GPRS	All
B02	Add SMS Event Flag to Authorized Phone Number	SMS/GPRS	All
B03	Delete SMS Event Flag from Authorized Phone Number	SMS/GPRS	All
B05	Set Geo-fence Alarm	SMS/GPRS	All
B06	Delete Geo-fence Waypoint	SMS/GPRS	All
B07	Set Speeding Alarm	SMS/GPRS	All
B08	Set Tow Alarm	SMS/GPRS	MVT100/340/380/600/T1
B09	Set Tremble Sensitivity (MVT100/MVT340/MVT380)	SMS/GPRS	MVT100/340/380/T1
B20	Set Tremble Sensitivity (MVT600)	SMS/GPRS	MVT600
B31	Set Extended Functions	SMS/GPRS	All
B32	Set GPS Sleep Mode	SMS/GPRS	All
B33	Set Power Down Mode	SMS/GPRS	All
B34	Set Log Interval	SMS/GPRS	MT80i/ 88, MVT100/380/600/T1
B35	Time Zone Setting(For SMS Report)	SMS/GPRS	All
B36	Time Zone Setting(For GPRS Report)	SMS/GPRS	All
B91	Set SMS Header for Event	SMS/GPRS	All
C01	Output Control	SMS/GPRS	MVT100/340/380/600/T1
C03	Protocol Control	SMS/GPRS	All
C11	SMS Message Display	SMS	MVT600
E91	Get Firmware Version and SN	SMS/GPRS	All
F01	Reboot GSM Module	SMS/GPRS	All
F02	Reboot GPS Module	SMS/GPRS	All
F06	Clear Journey and Running Time	SMS/GPRS	All
F09	Clear SMS/GPRS Buffer	SMS/GPRS	MT80i/88/90, T1/MVT100/380/600
F11	Initialization	SMS/GPRS	All
F20	Change Password	SMS	All
FAB	Initialize Password	SMS	All

III. Command Details

1. Track on Demand – A00

SMS Set:	0000,A00
SMS Get:	IMEI,Now,<->yy.dddddd,<->xxx.dddddd,yymmddHHMMSS,Z,N,G,Speed,Heading,HDOP,Altitude,Journey,Runtime,Base ID,State,AD,
Description:	Get the current location report of the tracker. Refer to Annex 1 for more information of data description.
Example	

Copyright © 2010 Shenzhen Meiligao Electronics Co., Ltd. All rights reserved.

SMS Tx:	0000,A00
SMS Rx:	353358017784062,Now,22.535888,114.063034,080310161834,A,9,27,30,179,0,15,8890,1346 ,,0000,,

2. Track on Demand – Google Map (SMS) – A01

SMS Set:	0000,A01
SMS Get:	http://maps.google.com/maps?f=q&hl=en&q=22.540103,114.082329&ie=UTF8&z=16&iwloc =addr&om=1
Description:	Get the current location report of the tracker and open the http link in Google Map to show the location on a mobile phone. Note: Only Smart phone with GPRS connection supports this function.
Example	
SMS Tx:	0000,A01
SMS Rx:	http://maps.google.com/maps?f=q&hl=en&q=22.540103,114.082329&ie=UTF8&z=16&iwloc =addr&om=1

3. Track by Time Interval (SMS) – A02

SMS Set:	0000,A02,interval,times
SMS Get:	IMEI,A02,OK
Description:	interval =0, stop tracking by time interval (default); interval = [1,65535], track by interval in minute. times = 0, track by interval continuously; times = [1,255], set how many times an SMS report is received from the tracker with the defined interval.
Example	
SMS Tx:	0000,A02,10,3
SMS Rx:	353358017784062,A02,OK *In this example, you can receive all 3 SMS with an interval of 10 minutes.* *353358017784062,Interval,22.542976,114.077658,100313092332,A,5,20,6,13,2,276,387,611,, 0000,,*

4. Track by Time Interval (GPRS) – A12

SMS Set:	0000,A12,interval,times
SMS Get:	IMEI,A12,OK
Description:	Interval is in unit of 10 seconds. Interval = 0, stop tracking by time interval. Max time interval = 65535*10 seconds times = 0, track by interval continuously; times = [1,65535], set how many times(reports) from the tracker with the specified interval.

Copyright © 2010 Shenzhen Meiligao Electronics Co., Ltd. All rights reserved.

Example	
SMS Tx:	0000,A12,6,0
SMS Rx:	353358017784062,A12,OK

5. Track by Distance Interval – A14

SMS Set:	0000,A14,distance
SMS Get:	IMEI,A14,OK
Description:	Distance = 0, stop tracking by distance interval (default); Distance = [1, 4294967295], set interval in meter. If Track by Distance Interval and Track by Time Interval are both set, the GPS location report complies with 'First Reach First Report' rule, and the interval for next report is immediately re-calculated.
Example	
SMS Tx:	0000,A14,1000
SMS Rx:	353358017784062,A14,OK *In this example, the below message will be received once distance changes over 1000 meters.* *353358017784062,Distance,22.547278,114.047723,080310080934,A,7,21,30,88,1,12,8525,563,,0000,,*

6. Set GPRS – A21

SMS Set:	0000,A21, X,IP,Port,APN,APN username,APN password
SMS Get:	IMEI,A21,OK
Description:	X = 0, close GPRS; X = 1, open TCP; X = 2, open UDP. IP : IP address or domain name, max 32 bytes. Port: max 5 bytes. APN / APN username / APN password: max 32 bytes each; If no username and password required, leave them blank.
Example	
SMS Tx:	0000,A21,1,www.meigps.com,8500,CMNET,,
SMS Rx:	353358017784062,A21,OK

7. Set DNS Server IP – A22

SMS Set:	0000,A22,DNS Server IP
SMS Get:	IMEI,A22,OK
Description:	Your servers IP is not properly set if the command A21 doesn't work. You can first use this command to set DNS Server IP (please check with your DNS server provider for the DNS Server IP) and then redo command A21.

Copyright © 2010 Shenzhen Meiligao Electronics Co., Ltd. All rights reserved.

	DNS Server IP: max 16 bytes
Example	
SMS Tx:	0000,A22,202.1.2.30
SMS Rx:	353358017784062,A22,OK

8. Set Secondary GPRS Server – A23

SMS Set:	0000,A23,IP,port
SMS Get:	IMEI,A23,OK
Description:	IP : max 32 bytes. Port: max 5 bytes. When the tracker fails to send data to the first server set by command A21, it will send data to the secondary server to avoid data loss.
Example	
SMS Tx:	0000,A23,112.91.12.222,8500
SMS Rx:	353358017784062,A23,OK

9. Get all Authorized Phone Numbers – A70

SMS Set:	0000,A70
SMS Get:	IMEI,A70,SOS phone number 1,SOS phone number 2,SOS phone number 3,listen-in phone number 1,listen-in phone number 2
Description:	Get all authorized phone number.
Example	
SMS Tx:	0000,A70
SMS Rx:	353358017784062,A70,13811111111,13822222222,13833333333,13844444444,13855555555

10. Authorize Multiple Functions Phone Number – A71

SMS Set:	0000,A71,phone number 1,phone number 2,phone number 3
SMS Get:	IMEI,A71,OK
Description:	Authorize a phone number for SOS alarm, calling for location report, geo-fence alarm, and low battery alarm. Phone Number: Max 16 characters. If no preset phone number, it is empty (default). Send command “0000, A71” to delete all phone numbers. When you press the SOS button, the tracker will make a call to phone number 1, 2 and 3. It will stop calling when one number answers.
Example	
SMS Tx:	0000,A71,13811111111,13822222222,13833333333
SMS Rx:	353358017784062,A70,OK

Copyright © 2010 Shenzhen Meiligao Electronics Co., Ltd. All rights reserved.

11. Set Listen-in (Voice Monitoring) – A72

SMS Set:	0000,A72,phone number 1,phone number 2
SMS Get:	IMEI,A72,OK
Description:	Authorize a phone number to make a silent call to the tracker. The tracker will answer the call automatically which allows the caller to listen to what is happening around the tracker. There is no voice indication that the call is in progress. Phone Number: Max 2, 16 characters. If no preset phone number, it is empty (default). If no phone number but comma, the relevant number will be deleted. Send command "0000, A72" to delete all phone numbers.
Example	
SMS Tx:	0000,A72,13844444444,13855555555
SMS Rx:	353358017784062,A72,OK

12. Set Sleep Mode – A73

SMS Set:	0000,A73,X
SMS Get:	IMEI,A73,OK
Description:	This setting is for power saving mode X= 0, turn off sleep mode (default); X=1, normal sleep GPS module works for 3 minutes and close for 1 minute (GSM is working all the time). And will be working repeatedly. This mode doesn't influence "Track by Interval". X=2, deep sleep. The tracker will enter this mode after it is inactive (or stationary) for 5 minutes. GPS module stops working and GSM module enters sleep mode. The tracker remains in this mode until it is activated by message, incoming calls, movement, and triggered by the button/input. After that, it will repeat above processes.
Example	
SMS Tx:	0000,A73,2
SMS Rx:	353358017784062,A73,OK

13. Get Authorized Phone Number and SMS Event Flag – B00

Why is this section blue?

SMS Set:	0000,B00,P
SMS Get:	IMEI,B00,P,phone No,event code flag
Description:	P: 1 to 3 Phone No: max 16 characters. If Phone No is blank, no phone number is authorized. Event Code Flag: 16+8 bytes, HEX String. See Annex 2 for more details.
Example	
SMS Tx:	0000,B00,1
SMS Rx:	353358017784062,B00,1,13612345678,0000000000000F0A00000000

Copyright © 2010 Shenzhen Meiligao Electronics Co., Ltd. All rights reserved.

14. Authorize Phone Number and SMS Event Flag – B01

SMS Set:	0000,B01,P,phone No,event code
SMS Get:	IMEI,B01,OK
Description:	P: 1 to 3. Phone No: max 16 characters. Event Code: If no codes stipulated, then it will apply the default flags to the authorized phone number. See Annex 2 for more details of Event Code and default settings.
Example	
SMS Tx:	0000,B01,1,13612345678,1
SMS Rx:	353358017784062,B01,OK

15. Add SMS Event Flag to Authorized Phone Number – B02

SMS Set:	0000,B02,P,event code
SMS Get:	IMEI,B02,OK
Description:	P : 1 to 3. Event Code: please refer to Annex 2 for more details.
Example	
SMS Tx:	0000,B02,1,17
SMS Rx:	353358017784062,B02,OK

16. Delete SMS Event Flag from Authorized Phone Number – B03

SMS Set:	0000,B03,P,event code
SMS Get:	IMEI,B03,OK
Description:	P : 1 to 3. Event Code: please refer to Annex 2 for more details.
Example	
SMS Tx:	0000,B03,1,17
SMS Rx:	353358017784062,B03,OK

17. Set Geo-fence Alarm – B05

SMS Set:	0000,B05,P,latitude,longitude,radius,in,out
SMS Get:	IMEI,B05,OK
Description:	P: 1 to 8. Max 8 Geo-fence waypoints can be set. Latitude: Latitude in decimal degrees of the waypoint center; Longitude: Longitude in decimal degrees of the waypoint center; Radius: [1, 4294967295] in meters. In = 0, turn off the alarm when the tracker enters the waypoint; In = 1, turn on the alarm when the tracker enters the waypoint. Out = 0, turn off the alarm when the tracker exits the waypoint; Out = 1, turn on the alarm when the tracker exits the waypoint.

Copyright © 2010 Shenzhen Meiligao Electronics Co., Ltd. All rights reserved.

Example	
SMS Tx:	0000,B05,1,22.91319,114.07988,1000,0,1
SMS Rx:	353358017784062,B05,OK *Once the tracker goes outside of the circle, (center: 22.91319, 114.07988 and radius 1000 meters) the following message will be received.* *353358017784062,ExitGEO,22.918186,114.089823,080229123816,A,10,22,16,32,1,21,6667,850,,0000,,*

18. Delete Geo-fence Waypoint – B06

SMS Set:	0000,B06,P
SMS Get:	IMEI,B06,OK
Description:	P: 1 to 8. Only one waypoint can be deleted by each SMS command.
Example	
SMS Tx:	0000,B06,1
SMS Rx:	353358017784062,B06,OK

19. Set Speeding Alarm – B07

SMS Set:	0000,B07,speed
SMS Get:	IMEI,B07,OK
Description:	speed = 0, cancel speeding alarm (default); Speed = [1,255], set speed limit in Km/h.
Example	
SMS Tx:	0000,B07,60
SMS Rx:	353358017784062,B07,OK *In this example, the following message will be received once the tracker's speed is over 60km/h.* *353358017784062,Speeding,22.914891,114.087491,080229203703,A,10,22,55,44,1,24,6635,388,,0000,,*

20. Set Tow Alarm – B08

SMS Set:	0000,B08,time
SMS Get:	IMEI,B08,OK
Description:	When the tracker moves or trembles over preset time, it will send a report to the authorized phone number. time = 0, cancel tow alarm (default); time = [1,255], set period in second.
Example	
SMS Tx:	0000,B08,3
SMS Rx:	353358017784062,B08,OK

Copyright © 2010 Shenzhen Meiligao Electronics Co., Ltd. All rights reserved.

	In this example, when the tracker moves or trembles for over 3 seconds, the following message will be received. *353358017784062,Tow,22.914891,114.087491,080229203703,A,10,22,55,44,1,24,6635,388,,0000,,*

21. Set Tremble Sensitivity (MVT100/MVT340/MVT380/T1) – B09

SMS Set:	0000,B09,sensitivity
SMS Get:	IMEI,B09,OK
Description:	Sensitivity = [1,65535], set sensitivity grade for tremble sensor. The tremble sensor is more sensitive if the grade is lower. Defaulted as 1.
Example	
SMS Tx:	0000,B09,10
SMS Rx:	353358017784062,B09,OK

22. Set Tremble Sensitivity (MVT600) – B20

SMS Set:	0000,B20,sensitivity
SMS Get:	IMEI,B20,OK
Description:	Sensitivity= [1,65535], set sensitivity grade for tremble sensor. The tremble sensor is more sensitive if the grade is lower. Defaulted as 1.
Example	
SMS Tx:	0000,B20,10
SMS Rx:	353358017784062,B20,OK

23. Set Extended Functions – B31

SMS Set:	0000,B31,AB
SMS Get:	IMEI,B31,OK
Description:	A=0, all LED lights work normally (default); A=1, all LED lights are off when the tracker is working; B, reserved.
Example	
SMS Tx:	0000,B31,11
SMS Rx:	353358017784062,B31,OK

24. Set GPS Sleep Mode – B32

SMS Set:	0000,B32,level
SMS Get:	IMEI,B32,OK
Description:	level = 0, cancel sleep mode (default); level = 1, GPS module works for 3 minutes and closes for 1 minute; level = 2, GPS module works for 1 minute and closes 2 minutes.

Copyright © 2010 Shenzhen Meiligao Electronics Co., Ltd. All rights reserved.

Example	
SMS Tx:	0000,B32,1
SMS Rx:	353358017784062,B32,OK

25. Set Power Saving Mode – B33

SMS Set:	0000,B33,minute
SMS Get:	IMEI,B33,OK
Description:	Set power saving mode when the tracker is inactive (stationary) for a period of time. In power saving mode, GPS stops working and GSM enters sleep mode. The device stops sending out messages until it is activated by message, incoming calls, movement, or input changes. minute = 0, turn off power down mode; minute = [1,255], turn on power down mode after a specified period of being inactive in minutes.
Example	
SMS Tx:	0000,B33,3
SMS Rx:	353358017784062,B33,OK *In this example, the tracker will enter power down mode after it is inactive for 3 minutes.*

26. Set Log Interval –e t B34

SMS Set:	0000,B34,interval
SMS Get:	IMEI,B34,OK
Description:	Set the interval for storing valid GPS data into tracker's flash memory. interval = 0, turn off logging (default); interval = [1,65535], set logging interval in second.
Example	
SMS Tx:	0000,B34,60
SMS Rx:	353358017784062,B34,OK

27. Time Zone Setting (for SMS Report) – B35

SMS Set:	0000,B35,minute
SMS Get:	B35,OK
Description:	Default time of the tracker is GMT, you can use this command to correct the trackers time to your local time for SMS report. minute = 0, GMT (default); minute = [-32768,32767], set time difference in minutes to GMT. Time zone for SMS is separate from GPRS.
Example	
SMS Tx:	0000,B35,480
SMS Rx:	353358017784062,B35,OK

Copyright © 2010 Shenzhen Meiligao Electronics Co., Ltd. All rights reserved.

28. Time Zone Setting (for GPRS Report) – B36

SMS Set:	0000,B36,GPRS minute
SMS Get:	IMEI,B36,OK
Description:	minute = 0, GMT (default); minute = [-32768,32767], set time difference in minutes to GMT.
Example	
SMS Tx:	0000,B36,480
SMS Rx:	353358017784062,B36,OK

29. Set SMS Header for Event – B91

SMS Set:	0000,B91,even code,header
SMS Get:	IMEI,B91,OK
Description:	Header: max 16 bytes. Please refer to Annex 2 for more details.
Example	
SMS Tx:	0000,B91,1,SOS
SMS Rx:	353358017784062,B91,OK

30. Output Control – C01

SMS Set:	0000,C01,speed,ABCDE
SMS Get:	IMEI,C01,OK
Description:	Speed = 0, no speed limit; Speed = [1,255], in km/h, set conditional speed limit for output control. When speed is below the set speed, output is activated. A=0, close output (OUT1) -open drain; A=1, open output (OUT1) -connect to GND; A=2, remain previous status. B=0, close output (OUT2) -open drain;; B=1, open output (OUT2) -connect to GND B=2, remain previous status. C=0, close output (OUT3) -open drain; C=1, open output (OUT3) -connect to GND; C=2, remain previous status. D=0, close output (OUT4) -open drain; D=1, open output (OUT4) -connect to GND; D=2, remain previous status. E=0, close output (OUT5) -open drain; E=1, open output (OUT5) -connect to GND; E=2, remain previous status.
Example	
SMS Tx:	0000,C01,80,12221

Copyright © 2010 Shenzhen Meiligao Electronics Co., Ltd. All rights reserved.

SMS Rx:	353358017784062,C01,OK

31. Protocol Control – C03

SMS Set:	0000,C03,X
SMS Get:	IMEI,C03,OK
Description:	X = 0, Auto Event Report (default); X = 1, Event report needs server's confirmation by AFF command.
Example	
SMS Tx:	0000,C03,0
SMS Rx:	353358017784062,C03,OK

32. SMS Message Display – C11

SMS Set:	0000,C11,Txt
SMS Get:	IMEI,C11,OK
Description:	Message from the server will display on LCD. Txt: Message content. Must be ASCII String, Max 150 Bytes.
Example	
SMS Tx:	0000,C11,SMS Message
SMS Rx:	353358017784062,C11,OK

33. Get Firmware Version and SN – E91

SMS Set:	0000,E91
SMS Get:	IMEI,E91,version,SN
Description:	Get current firmware version and S/N details of the tracker.
Example	
SMS Tx:	0000,E91
SMS Rx:	353358017784062,E91,FWV1.00,12345678

34. Reboot GSM Module – F01

SMS Set:	0000,F01
SMS Get:	IMEI,F01,OK
Description:	Reboot GSM module.
Example	
SMS Tx:	0000,F01
SMS Rx:	353358017784062,F01,OK

35. Reboot GPS Module – F02

SMS Set:	0000,F02
SMS Get:	IMEI,F02,OK
Description:	Reboot GPS module.
Example	
SMS Tx:	0000,F02

Copyright © 2010 Shenzhen Meiligao Electronics Co., Ltd. All rights reserved.

SMS Rx:	353358017784062,F02,OK

36. Clear Journey and Running Time – F06

SMS Set:	0000,F06,X
SMS Get:	IMEI,F06,OK
Description:	Clear Journey and Running Time. X=1, clear journey X=2, clear running time X=3, clear journey and running time
Example	
SMS Tx:	0000,F06,1
SMS Rx:	353358017784062,F06,OK

37. Delete SMS/GPRS Buffer – F09

SMS Set:	0000,F09,X
SMS Get:	IMEI,F09,OK
Description:	X=1，delete SMS buffer X=2，delete GPRS buffer X=3，delete SMS and GPRS buffer
Example	
SMS Tx:	0000,F09,1
SMS Rx:	353358017784062,F09,OK

38. Initialization– F11

SMS Set:	0000,F11
SMS Get:	IMEI,F11,OK
Description:	Set all parameters, except for the password, back to factory default.
Example	
SMS Tx:	0000,F11
SMS Rx:	353358017784062,F11,OK

39. Change Password – F20

SMS Set:	0000,F20,new password
SMS Get:	IMEI,F20,OK
Description:	Change SMS password. Password is 4 digits.
Example	
SMS Tx:	0000,F20,1234
SMS Rx:	353358017784062,F20,OK

40. Initialize Password – FAB

SMS Set:	8888,FAB
SMS Get:	IMEI,FAB,OK

Copyright © 2010 Shenzhen Meiligao Electronics Co., Ltd. All rights reserved.

Description:	Set the password back to factory default in case you forget your password. Only authorized phone number(s) can send this command.
Example	
SMS Tx:	8888,FAB
SMS Rx:	353358017784062,FAB,OK

Copyright © 2010 Shenzhen Meiligao Electronics Co., Ltd. All rights reserved.